

REMARKS

This responds to the Office Action mailed on February 17, 2006.

Claims 1, 14, 17, 18, 35, 45, 58, and 61 are amended. Claims 13, 15, 16, 31, 44, 57, 59, 60, and 62 are canceled. As a result, claims 1-12, 14, 17-30, 32-43, 45-56, 58, and 61 are now pending in this application.

§112 Rejection of the Claims

Claims 13, 30 and 57 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Claims 13, 30, and 57 were cancelled solely to facilitate allowance of the application. No admission is made that the claims do not satisfy the written description requirement and applicant reserves the right argue that the do satisfy it at a later date.

§102 Rejection of the Claims

Claims 1, 3-11, 15, 18-28 and 32 were rejected under 35 U.S.C. § 102(b) as being anticipated by *Gorp et al.*, “An Interpolation Technique for Learning With Sparse Data”, 2000. Applicant has amended the claims consistent with the allowable claims as indicated below, rendering the rejection moot. Allowance of the claims is respectfully requested.

§103 Rejection of the Claims

Claim 2 was rejected under 35 U.S.C. § 103(a) as being obvious over *Hassoun*, “Artificial Neural Networks”, 1995 in view of *Gorp et al.* Applicant has amended the claims consistent with the allowable claims as indicated below, rendering the rejection moot. Allowance of the claims is respectfully requested.

Claims 35-42 and 44 and claims 45-55, 58-59 and 62 were rejected under 35 U.S.C. § 103(a) as being unpatentable over *Jakominich et al.*, “Real Time Digital Power System Simulator Design Consideration and Relay Performance Evaluation”, 1995, in view of *Gorp et*

al. Applicant has amended the claims consistent with the allowable claims as indicated below, rendering the rejection moot. Allowance of the claims is respectfully requested.

Claim Objections

Claims 12, 14, 16, 17, 29, 31, 33, 34, 43, 44, 56, 59, 60, 61 and 62 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The claims have been so rewritten as follows:

Claim 1 now includes the elements of allowable claim 16 and claim 15 from which 16 depends.

Claim 14 now includes the elements of claim 1 and has been rewritten in independent form.

Claim 18 now includes the elements of allowable claim 31, and some elements from allowable claim 14.

Claim 35 now includes the elements of allowable claim 44, and some elements from allowable claim 14.

Claim 45 now includes the elements of allowable claim 62.

Claim 58 now includes the elements of claim 45 and some elements allowable claim 14, and has been rewritten in independent form.

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.116 – EXPEDITED PROCEDURE

Serial Number: 09/899,424

Filing Date: July 3, 2001

Title: DISTRIBUTION THEORY BASED ENRICHMENT OF SPARSE DATA FOR MACHINE LEARNING

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CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney (612) 373-6972 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

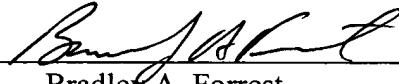
RAVINDRA K. SHETTY

By his Representatives,

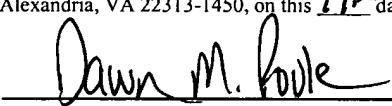
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Date 5-17-2006

By


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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop AF, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 17th day of May, 2006.


Name


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